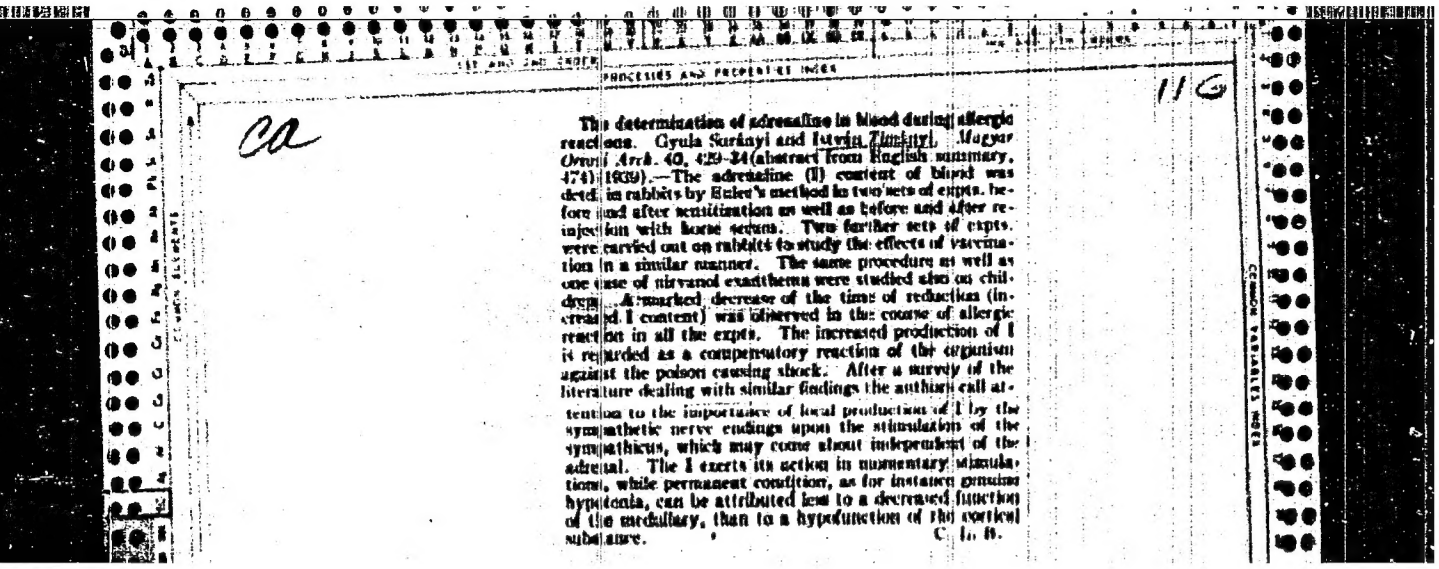
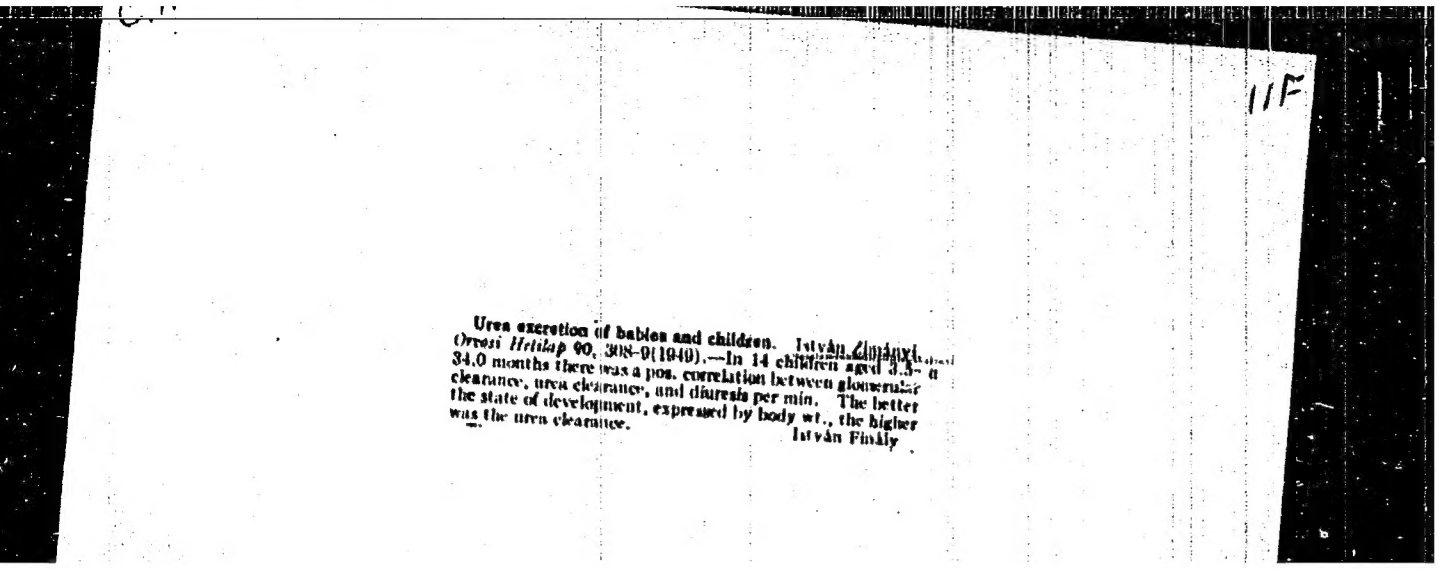


PROCESSES AND PROPERTIES INDEX

CA

11G

The determination of adrenaline in blood during allergic reactions. Gyula Szrányi and István Tímár. *Magyar Orvosi Arch.* 40, 429–34 (abstract from English summary, 474) (1939).—The adrenaline (I) content of blood was detd. in rabbits by Euler's method in two sets of expts. before and after sensitization as well as before and after re-injection with horse serum. Two further sets of expts. were carried out on rabbits to study the effects of vaccination in a similar manner. The same procedure as well as one case of nirvanol exanthema were studied also on children. A marked decrease of the time of reduction (increased I content) was observed in the course of allergic reaction in all the expts. The increased production of I is regarded as a compensatory reaction of the organism against the poison causing shock. After a survey of the literature dealing with similar findings the authors call attention to the importance of local production of I by the sympathetic nerve endings upon the stimulation of the sympathicus, which may come about independent of the adrenal. The I exerts its action in momentary stimulations, while permanent condition, as for instance genuine hypotonia, can be attributed less to a decreased function of the medullary, than to a hypofunction of the cortical substance. C. L. B.



Urea excretion of babies and children. István Csapó and [illegible]. *Orvosi Hetilap* 90, 308–9(1949).—In 14 children aged 3.5–[illegible] 34.0 months there was a pos. correlation between glomerular clearance, urea clearance, and diuresis per min. The better the state of development, expressed by body wt., the higher was the urea clearance.
István Finály

L 39825-66 EWT(m) GD-2
ACC NR: AP6020081

SOURCE CODE: HU/0034/65/013/006/0461/0515

AUTHOR: Zimanyi, Jozsef

ORG: Central Research Institute for Physics, Budapest (Kozponti Fizikai Kutato Intezet)

TITLE: Circular polarization of the gamma radiation following the stripping reaction

SOURCE: Magyar fizikai folyoirat, v. 13, no. 6, 1965, 461-515

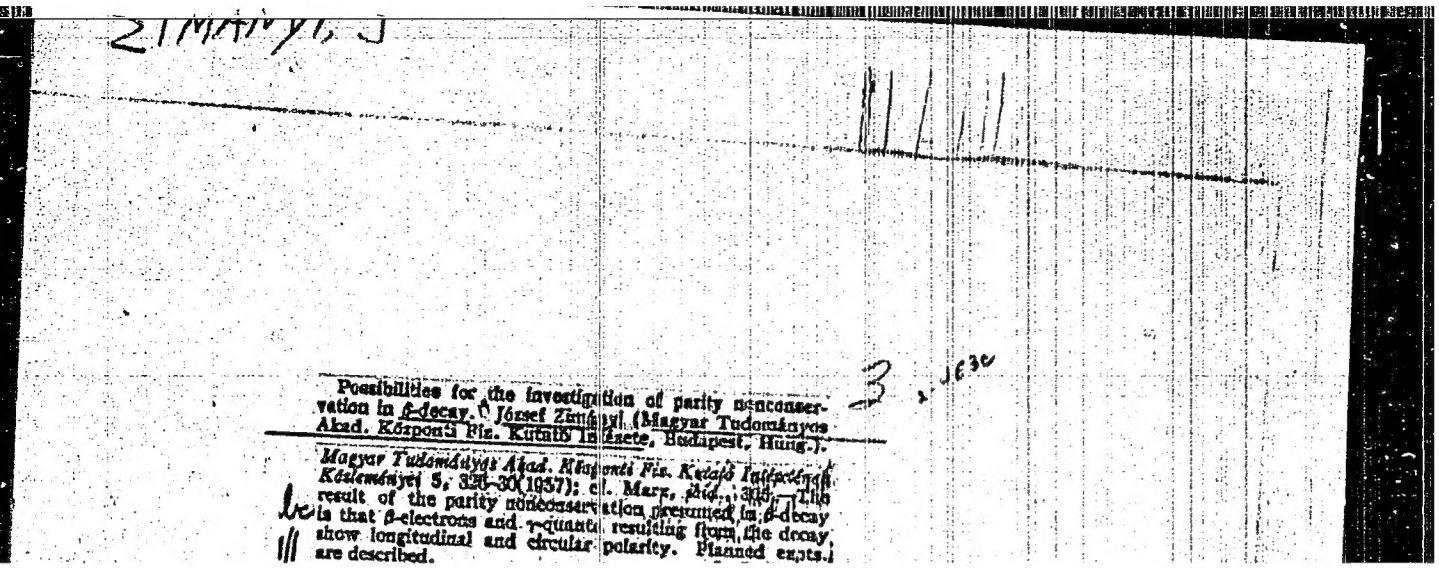
TOPIC TAGS: circular polarization, gamma radiation, deuteron reaction, approximation method

ABSTRACT: The stripping reaction of deutorons was described in terms of the Contral-Force Distorted Wave-Born Approximation model. Experimental studies were performed to establish the circular polarization of the gamma radiation following the stripping reaction.

KESZTHELYI, Lajos; ZIMANYI, J. (Budapest)

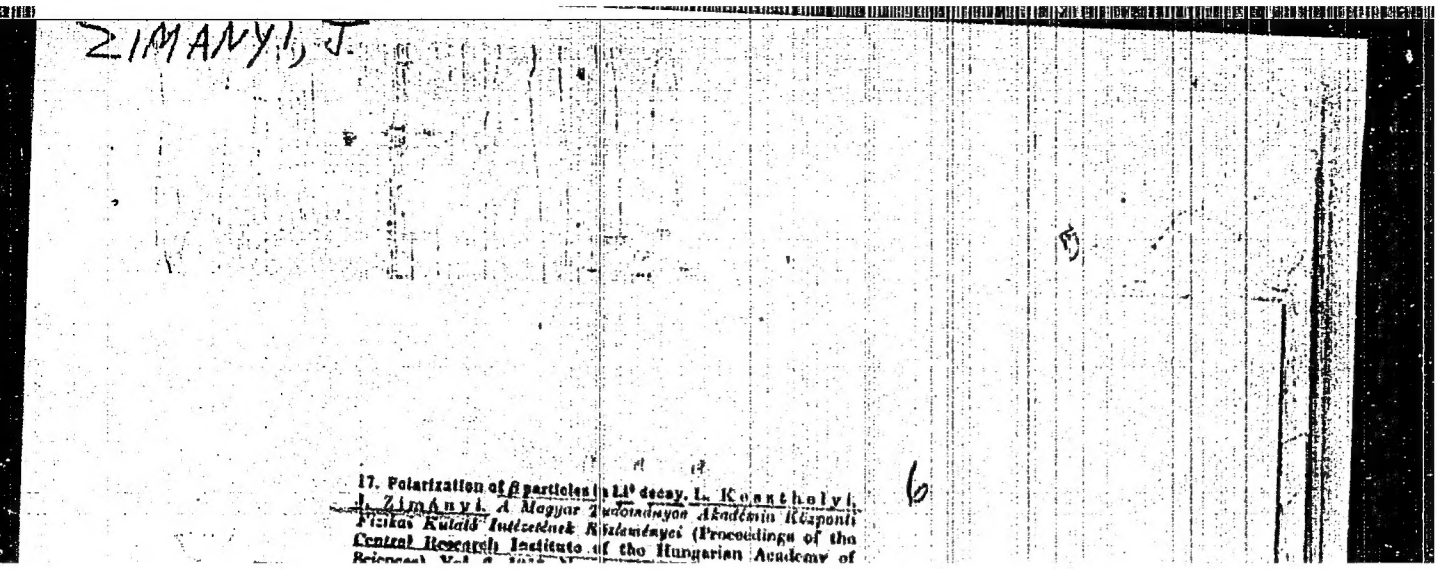
An account of the 2d Matrahaza Conference on Nuclear Physics.
Fiz szemle 8 no.2:64-66 F '58

1. "Fizikai Szemle" szerkeszto bizottsagi tagja (for Keszthelyi).



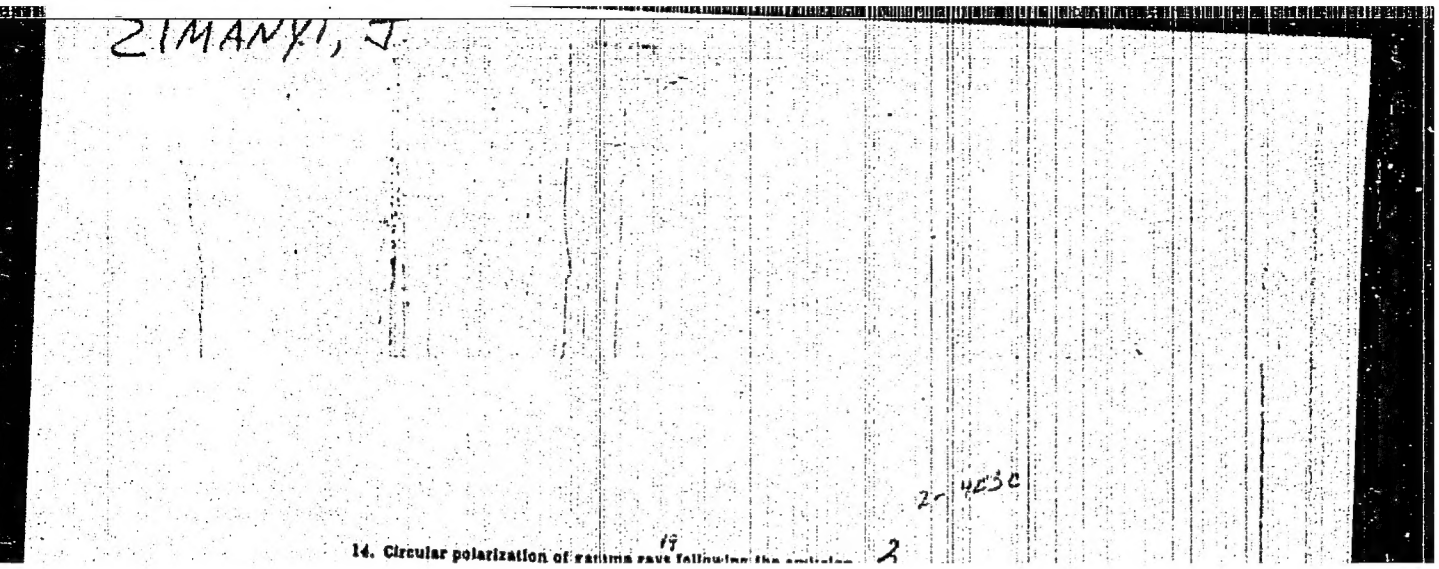
Possibilities for the investigation of parity nonconservation in β-decay. József Zimányi (Magyar Tudományos Akad. Központi Fiz. Kutató Intézete, Budapest, Hung.).

Magyar Tudományos Akad. Központi Fiz. Kutató Intézetének Közleményei 5, 325-30(1957); cf. Marx, *ibid.*, 313. The result of the parity nonconservation presumed in β-decay is that β-electrons and γ-quanta resulting from the decay show longitudinal and circular polarity. Planned expts. are described.



ZIMANYI, J.

17. Polarization of β particles in Li^8 decay. L. Keszthelyi, J. Zimányi. *A Magyar Tudományos Akadémia Központi Fizikai Kutató Intézetének Közleményei* (Proceedings of the Central Research Institute of the Hungarian Academy of



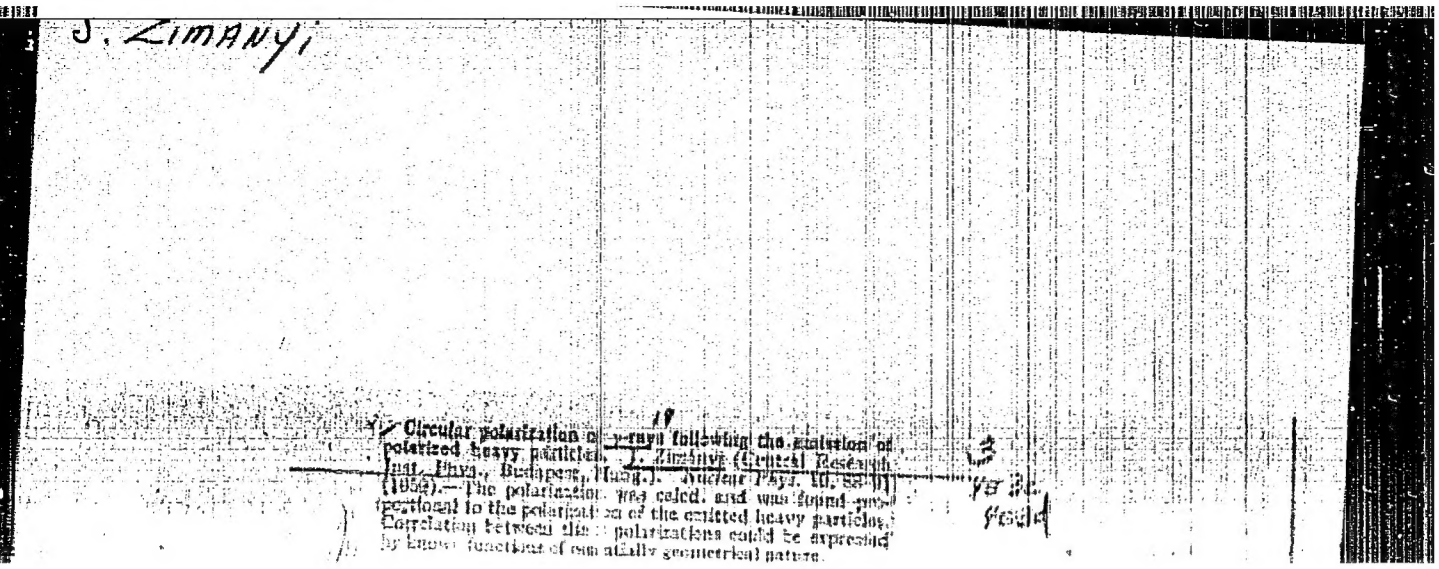
HUNGARY/Nuclear Physics - Structure and Properties of Nuclei. C.

Abs Jour : Ref Zhur - Fizika, No 7, 1959, 14895

Author : Zimanyi, (Mrazz) Jozsef
Inst :
Title : Concerning the Problem of Parity Conservation

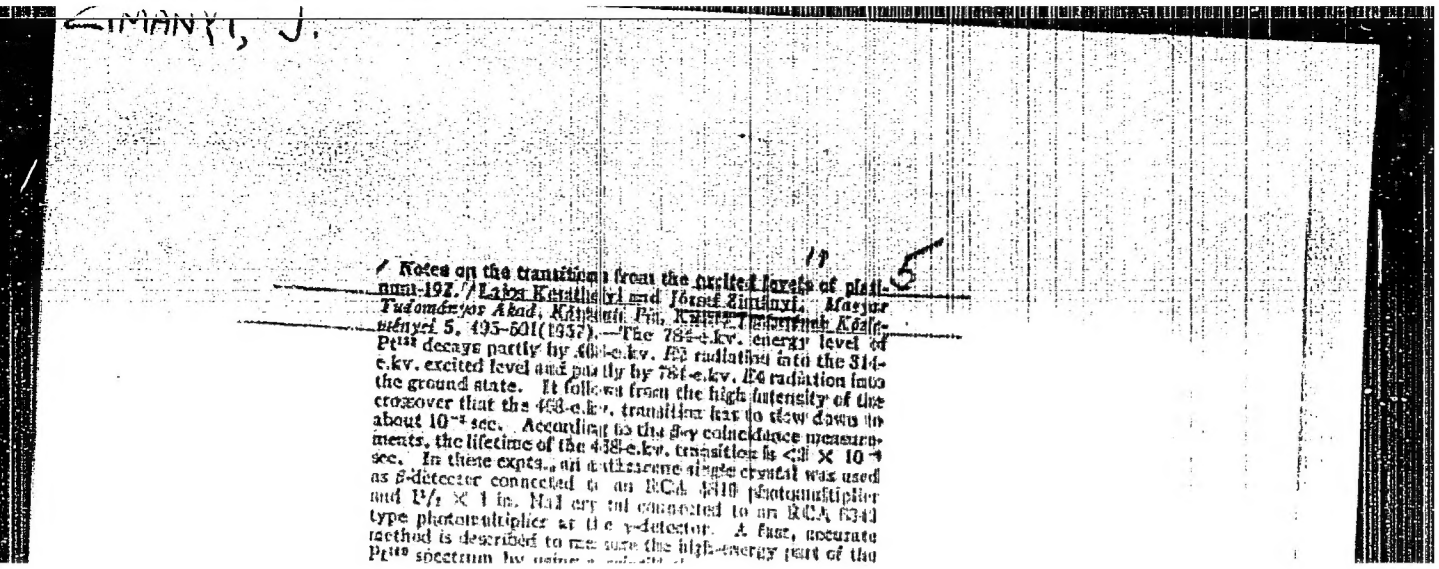
Orig Pub : Energia es Atomtechn., 1958, 11, No 6, 337-341

Abstract : No abstract.



J. Zimanyi

Circular polarization of γ-rays following the excitation of polarized heavy particles. J. Zimányi (Central Research Inst. Phys., Budapest, Hung.). Nuclear Phys. 10, 537-41 (1959).—The polarization was calcd. and was found proportional to the polarization of the emitted heavy particles. Correlation between the polarizations could be expressed by known functions of mainly geometrical nature.



ZIMÁNYI, J.

Notes on the transitions from the excited levels of platinum-192. / Lajos Keszthelyi and József Zimányi. *Magyar Tudományos Akad. Központi Fiz. Kutató Intézetének Közleményei* 5, 495-501(1957).—The 784-e.kv. energy level of Pt^{192} decays partly by 468-e.kv. *E2* radiating into the 314-e.kv. excited level and partly by 784-e.kv. *E2* radiation into the ground state. It follows from the high intensity of the crossover that the 468-e.kv. transition has to slow down to about 10^{-9} sec. According to the $\beta\gamma$ coincidence measurements, the lifetime of the 468-e.kv. transition is $<3 \times 10^{-9}$ sec. In these expts., an anthracene single crystal was used as β-detector connected to an RCA 5819 photomultiplier and 1½ × 1 in. NaI cryst connected to an RCA 6342 type photomultiplier as the γ-detector. A fast, accurate method is described to measure the high-energy part of the Pt^{192} spectrum by using a

ZIMANYI, J.

"Circular polarization of gamma rays following the emission of polarized Heavy particles." p. 361

A MAGYAR TUDOMANYOS ADADEMIA KOZPONTO FIZIKAI KUTATO INTEZETENEK KOZLEMENYEI, Budapest, Hungary, Vol. 6, No. 5, Sept./Oct. 1958.

HUNGARY/Nuclear Physics - Structure and Properties of Nuclei. C-

Abs Jour : Ref Zhur Fizika, No 3, 1960, 5347

Author : Keszthelyi Lajos, Zimanyi Jozsef.
Inst : -
Title : Polarization of β Particles in the Decay of Li^8.

Orig Pub : Magyar tud. akad. Kozp. fiz. kutato int. kozl., 1958, 6, No 5, 358-360, IV - V

Abstract : The circular polarization of bremsstrahlung of electrons in the decay of Li^8 is measured. By determining the polarization of the β particles from the polarization of the bremsstrahlung and by comparing the results with those of Lauterjung et al.

C-2

HUNGARY/Nuclear Physics - Installations and Instruments. Methods of Measurement and Research

Abs Jour : Ref Zhur - Fizika, No 1, 1959, No 262

Author : Lakosi Laszlo, Zimanyi (Mraz) Joszef
Inst : -
Title : Calculation and Calibration of Delay Line with the Aid of Measurements of Delayed Coincidences

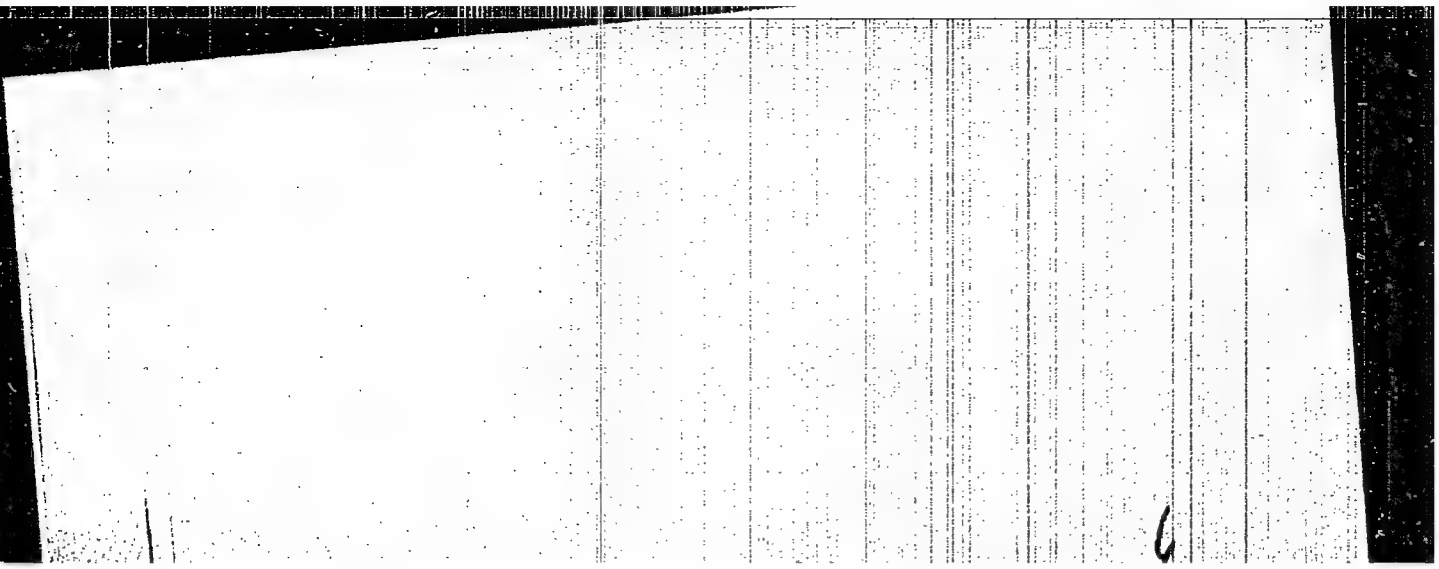
Orig Pub : Magyar tud. akad. Kozp. fiz. kutato int. kozl., 1957, 5, No 5, 502-513

Abstract : The parameters of the delay lines in the region of 10-7 seconds [illegible] and test measurements are made.

ZIMANYI, I.

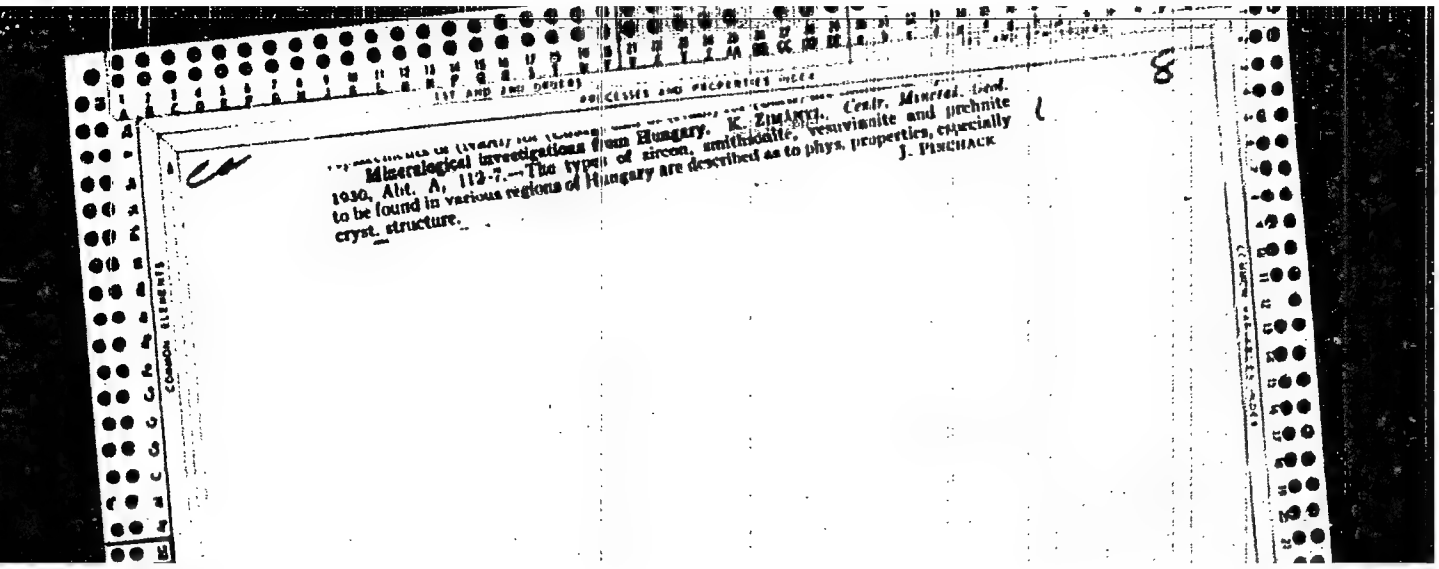
Distr: 4E2c/4E3d

Polarization of β-particles in lithium-8 decay. L. Keszthelyi and I. Zimányi (Central Research Inst. Phys., Budapest, Hung.). Nuovo cimento 10, [illegible] (in English).—The polarization has been examd. by measuring the circular polarization of the external bremsstrahlung produced by the 12-m.e.v. β-particle of Li^8 in a Pb absorber. The av. polarization of the left-handed circularly polarized γ-rays $P_γ$ = (80 ± 20) %. It is concluded that the β-particles of Li^8 are polarized in a backward sense. W. W. Sabol



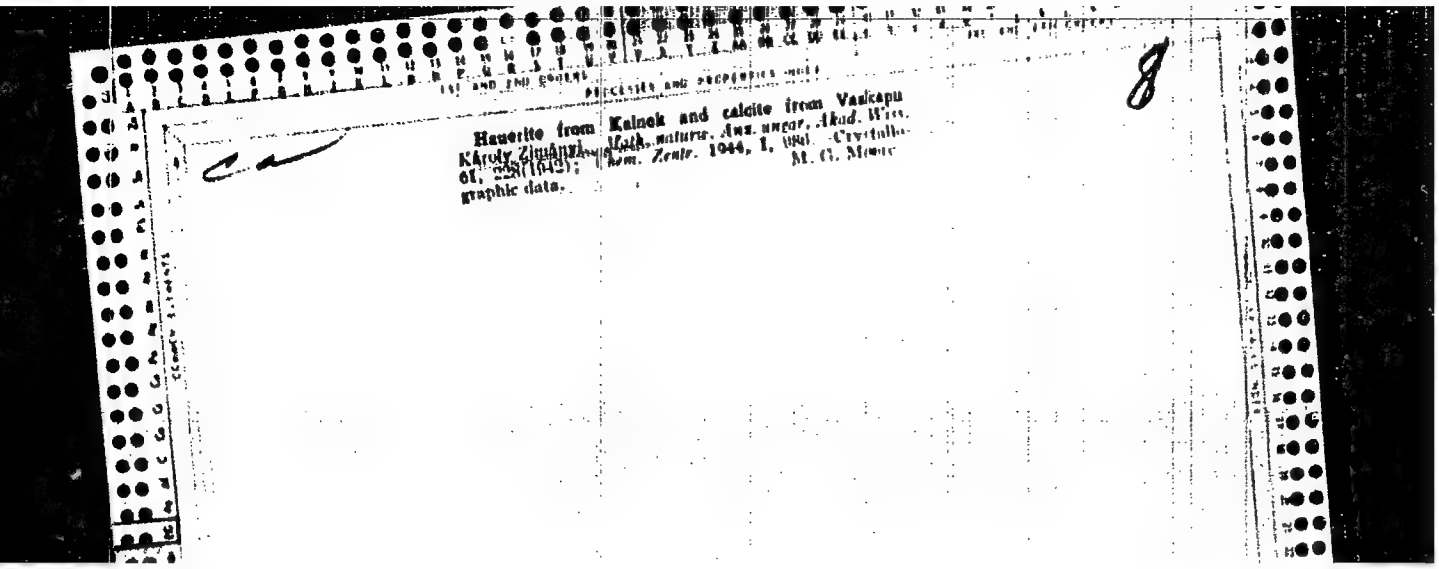
MENYHARD, Nora; ZIMANYI, Jozsef

Residual interactions at the stripping reactions. Koz fiz kozl MTA 10 no.1:47-53 '62

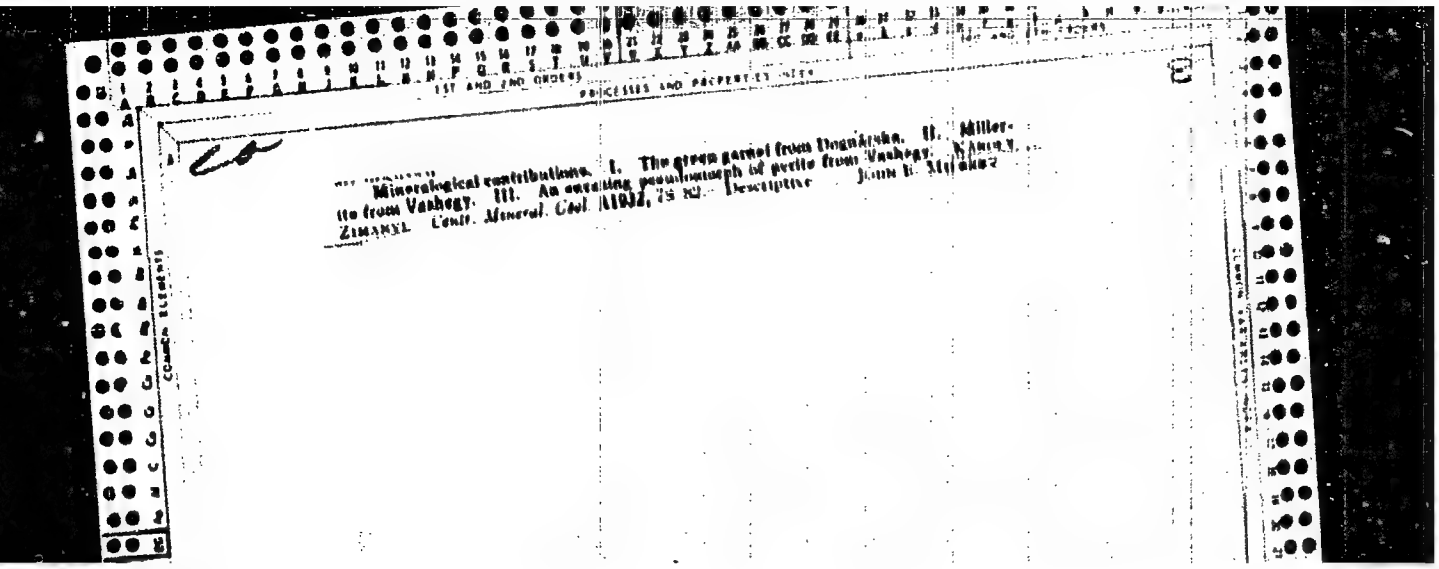


Mineralogical investigations from Hungary. K. ZIMÁNYI. *Centr. Mineral. Geol.* 1930, Abt. A, 112-7.—The types of zircon, smithsonite, vesuvianite and prehnite to be found in various regions of Hungary are described as to phys. properties, especially cryst. structure.

J. PIECHACK



Haueritе from Kalnok and calcite from Vaskapu
Károly Zimányi. [illegible] Akad. Wiss.
61, 258(1942); Term. Zentr. 1944, I, 1961. Crystallo-
graphic data. M. G. Mehr



SZENTPÉTERY, I. [Szentpétery, I.]; SZ[illegible], Y. [Szo, J.]; [illegible], I.
ZIMÁNYI, Y. [Zimányi, J.]

Circular polarization of gamma quanta accompanying the $^{170}Yb(d, p)$ ^{171}Yb reaction. Mag. Kis. 1 no.6:1002-1004 Je '65.

1. Akademiya nauk Vengerskoy Narodnoy Respubliki, Budapesht.

TORMASI, Istvan, dr.; ZIMANYI, Laszlo, dr.

A rare case of displacement of the last lumbar vertebra.
Magy. radiol. 16 no.1:46-49 F'64.

1. A komloi Rendelointezet (igazgato: Horvath, Ferenc, dr.) sebeszeti (foorvos: Tormasi Istvan dr.) es Rontgen (foorvos: Zimanyi Laszlo dr.)osztalyanak kozlemenye.

TORMASI, Istvan, dr.; ZIMANYI, Laszlo, dr.

A rare case of multiple vertebral dislocations. Magy radiol. 13 no.2:111-114 Mr '61.

1. Komlo Varosi Tanacs Rendelointezet (igazgato: Laczhegyi Laszlo dr) Sebeszeti (foorvos: Tormasi Istvan dr.) es Rontgen (foorvos: Zimanyi Laszlo dr.) szakrendelesenek kozlemenye.
(SPINE fract & disloc)

KOSIK, Pal; SALLAY, Melanie; ZIMANYI, Magda

Problems of thermal conductivity in case of complex boundary conditions.
Mat kut kozl MTA 4 no.3/4:377-383 '59. (EEAI 9:9)
(Heat) (Boundary value problems)

ZIMANYI, S. 1948

(Mutter-und Sauglingsfursorgestelle, Budapest)

"An Experimental Contribution to Problems of Differential Diagonosis in Connection With BGS. Vaccination."

ZIMAHYUK, Ye.N.

Introducting the buret system in pharmacies. Apt.delo 6 no.5:64 S-O '57. (MIRA 10:11)

1. Iz L'vovskogo oblastnogo aptechnogo upravleniya
(DRUGSTORES)

ZIMANYUK, Ye.N., provizor

Some problems concerning improvement in pharmacy work. Apt.delo 6 no.1:46-47 Ja-F '57. (MIRA 10:3)

1. Iz L'vovskogo oblastnogo aptechnogo upravleniya Glavnogo aptekoupravleniya USSR.
(PHARMACY)

ZIMANYUK, Ye. M.

Greater efficiency in pharmaceutic practice. Apt.delo 4 no.1:33-34 Ja-F '55 (MLRA 8:4)

1. Iz L'vovskogo oblastnogo aptechnogo upravleniya.
(PHARMACY,
in Russia)

ZIMANYUK, Ye.N.

Valuable initiative. Apt.delo 4 no.5:38-39 S-O '55.(MLRA 8:12)
(PHARMACY,
in Russia, organiz.)

ZIMAREV, A. N., Engineer
LANDER, E. P. Engineer
ZEYDENBERG, V. K., Engineer
SENATOROV, YU. I., Engineer

"Arithmetic Unit for Automatic Parallel Operation Computing Machine Employing Germanium Point Contact Instruments" a paper presented at the Conference on Methods of Development of Soviet Mathematical Machine-Building and Instrument-Building, 12-17 March 1956.

Translation No. 596, 8 Oct 56

ZEYDENBERG, V.K.; ZIMAREV, A.N.; LANDER, Ye.P.; SHMATOROV, Yu.I.

[Parallel-type arithmetical system using semiconductor devices] Arifmeticheskoe ustroistvo parallel'nogo tipa na poluprovodnikovykh priborakh. Moskva, In-t tochnoi mekhaniki i vychislitel'noi tekhn. Akad.nauk SSSR, 1957. 27 p.
(MIRA 12:10)

(Transistor circuits) (Electronic calculating machines)

ZIMAREV, A. N.

"A Dynamic Flip-flop with Negative Pulses Coddenser Charging, 1958.

Inst. Exact Mechanics and Computing Techniques, Acad. Sci. USSR

A dynamic flip-flop circuit using a contact-point transistor is described - some circuit specifications are presented.

ELMAREV, A.N.

FRASE I BOOK EXPLOITATION SOV/2675

tekhnicheskoy propagandy im. F. E. Dzerzhinskogo

nika i yego primeneniye (Computation Technique and Its
ie, Gosenergoizdat, 1959. 391 p. (Series: Chekhestvo
i politicheskikh i nauchnykh znaniy #5/58) 5,000 copies

. A. Lebedev, Academician; Ed. (Inside book): V.I. Savel'yev;
tatreyev.

ion of articles is intended for scientific, engineering
nnel engaged in research, design and operation of digital
s. It may also be used by students of vuzes specializing

t present fundamentals of digital computers, their elements
arithmetic units, internal and external memory and control
ves the possibility of constructing computers using semi-
and consider the fundamentals in the theory of logical
o discuss problems of programming and explain the operation
and their elements. Brief discussion of mathematical
presented. The articles were presented at a computer semi-
hnicheskoy propagandy imeni F. E.
y Center for Scientific and Technical Propaganda imeni
in 1957. No personalities are mentioned. References
some articles.

TENTS

ar. Construction of High-speed Computers Using 185

the possibility of using transistors in computer
ves the operation of the following transistor circuits:
pulse circuits, trigger and direct-coupled tran-
4 references: 1 Soviet and 3 English.

Devices of Series Computing Machines. 201
composed elements of series computing machines such
circuits for transforming codes, adding and sub-
d circuits for determining coincidence of two codes.
e operation of a series-type memory unit. There

ute of Technical Sciences. Electronic Analog Computers 269
l Equations
e general discussion of analog computers and considers
ication. He presents a table of Soviet computers,
e, year of manufacture and the developing organiza-
references, all Soviet (including 1 translation).

itute of Technical Sciences. Operational Units of 297

the operation of various units in a computer such
r, differentiators, operational amplifiers,
ional converters and analyzes their circuits. There
1 Soviet (including 1 translation).

ar. The Use of Analog Computers in Engineering and 327

the use of analog computers for analyzing var-
industrial machinery such as rolling machines, hy-
rs, hydraulic brakes, etc. Use of analog computers
equations is also discussed. There are 8 references,
2 translations).

r. Methods of Setting up Problems for Analog 340
survey of literature
the procedure of reducing problems to a form suit-
tors and describes methods of connecting various
plains methods of determining proper scale factors
nts and presents numerical examples. He also
olving nonlinear functions and considers computer
no references.

ute of Technical Sciences. Modern Small Mathe- 366

ma construction and operation of mathematical
tegrator, integrascle and planimeters. He also
lyzers developed by Nader, Gerardi and Kerrick and
of instruments for analyzing random functions.
s, 7 Soviet (including 4 translations) and 7 English.

ZIMAREV, A-N.

PHASE I BOOK EXPLOITATION SOV/4162

Golovistikov, Petr Petrovich, Aleksey Nikolayevich Zimarev, and Kirill Sergeyevich Neslukhovskiy

Arifmeticheskoye ustroystvo i ustroystvo upravleniya BESM (Arithmetical and Control Units of the BESM / High-Speed Electronic Computer/). Moscow, Fizmatgiz, 1960. 244 p. (Series: Elektronnaya tsifrovaya vychislitel'naya mashina BESM, 2) 15,000 copies printed.

Ed. (Title page): S.A. Lebedev, Academician; Ed. (Inside book): Yu. M. Bezborodov; Tech. Ed.: S.N. Akhlamov.

PURPOSE: This book is intended for workers in computing centers, students,

Arithmetical and Control Units of the BESM (Cont.) SOV/4162

In addition, the book discusses fundamental aspects of the arithmetic unit and describes how various elementary operations are carried out by means of the circuits of the arithmetic unit. The functional circuits of units for numbers and orders are described in detail. The book discusses the underlying principles of the control unit's construction and the realization of its components and blocks. A study is made of the operation of circuits during the execution of various arithmetical and special operations by the control unit. P.P. Golovistikov wrote chapter III, A.N. Zimarev chapters, I and II, and K.S. Neslukhovskiy, chapter IV. they belong to the Institut tochnoy mekhaniki i vychislitel'noy tekhniki AN SSSR (Institute of Precise Mechanics and Computer Technology of the Academy of Sciences USSR). The authors thank Yu. M. Bezborodov. There are no references.

TABLE OF CONTENTS:

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S/026/60/000/02/015/052
D031/D002

AUTHOR: Zimarev, A.N., and Kontarev, V. Ya.

TITLE: Superconductivity 21 and Cybernetics 16

PERIODICAL: Priroda, 1960, Nr 2, pp 75-77 (USSR)

ABSTRACT: The authors indicate one of the methods to solve the problem of making small, quick-operating, computing machines 16 using very little electric energy and having an increased memory. 35 They explain the phenomenon of superconductivity which can be observed in almost half of all known metals

Superconductivity and Cybernetics

the winding, a magentic field is created with the help of which the state of the central lead can be controlled, i.e. maintained in a normal state if the current exceeds the critical one, and kept in a superconductive state when it is below it. The operation principle is the same as that of an electromechanical relay. When conducting an analogy between an electronic tube and a criotron, the central cable may be compared with the tube's anode and

can be obtained, e.g., if 2 criotrons are connected according to the diagram in Figure 5. A complete change over circuit (or trigger) is given in Figure 6. The logical operations "and" and "or" are very simply realized on criotrons, and accordingly, various systems of computing machines can be built with their help. Criotron systems do not require the use of resistances, condensers and other parts. The transition of the criotron from one

Superconductivity and Cybernetics

of ~ 0.2 mm diameter was used, while for the controlling winding, niobium wire of ~0.07 mm in diameter was taken. The working current consisted of ~0.3 ÷ 0.4 ampere. The operation speed of the criotrons proved to be in the order of a hundred microseconds, and in the speed of changing over it is inferior to ferrite cores (÷ 1 microsecond). The authors also deal with the use

68282

S/026/60/000/02/015/052
D031/D002

Superconductivity and Cybernetics

computing devices based on the use of superconductivity will be developed and it should then be possible to design more perfect devices than those existing at present. There are 7 diagrams and 1 Soviet reference.

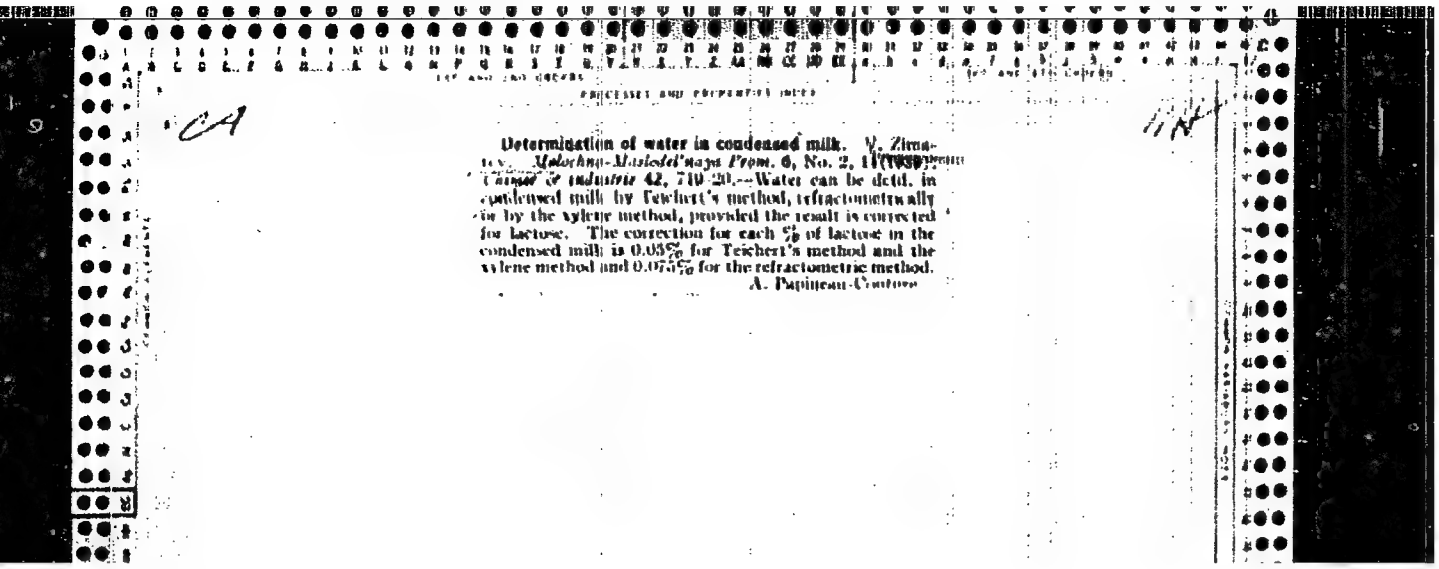
ASSOCIATION: Moskovskiy fiziko-tekhnicheskiy institut (Moscow Physico-Technical Institute).

Card 5/5

BLIZNYAK, E.V. [author]; ZIMAREV, E., inzhener [reviewer].

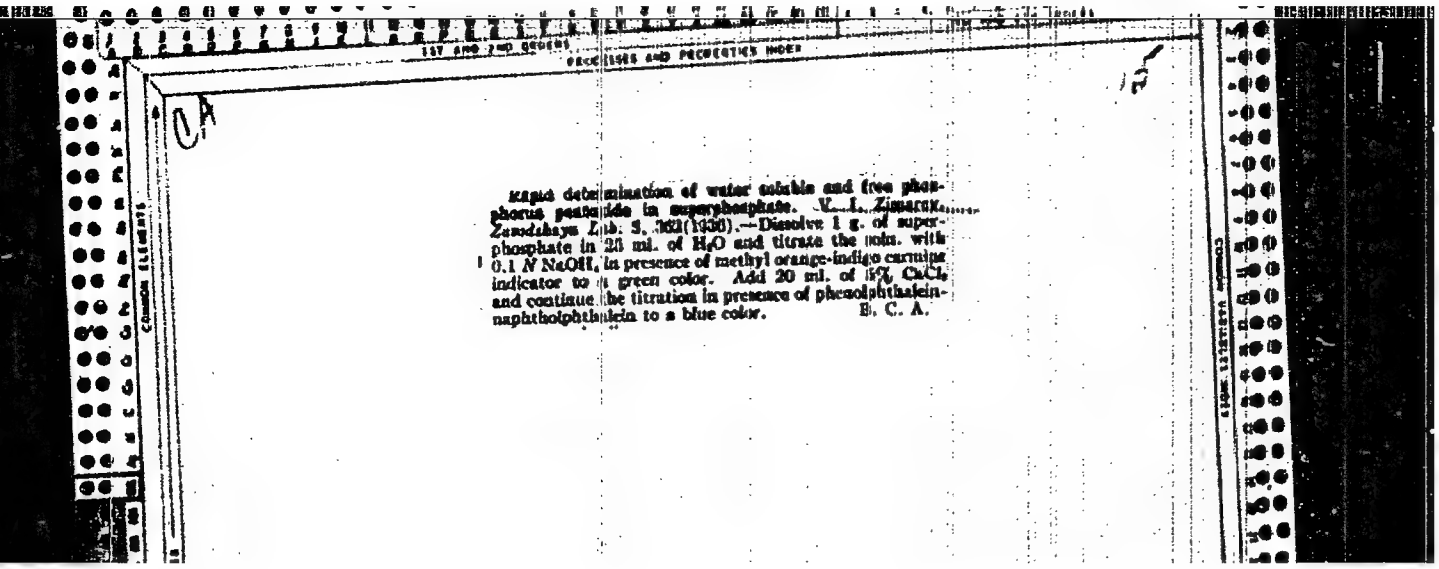
"Hydraulic research." E.V.Bliznyak. Reviewed by E.Zimarev. Mor.i rech.flot 13 no.3:32 Jy '53. (MLRA 6:8)

(Bliznyak, E.V.) (Hydraulic engineering)

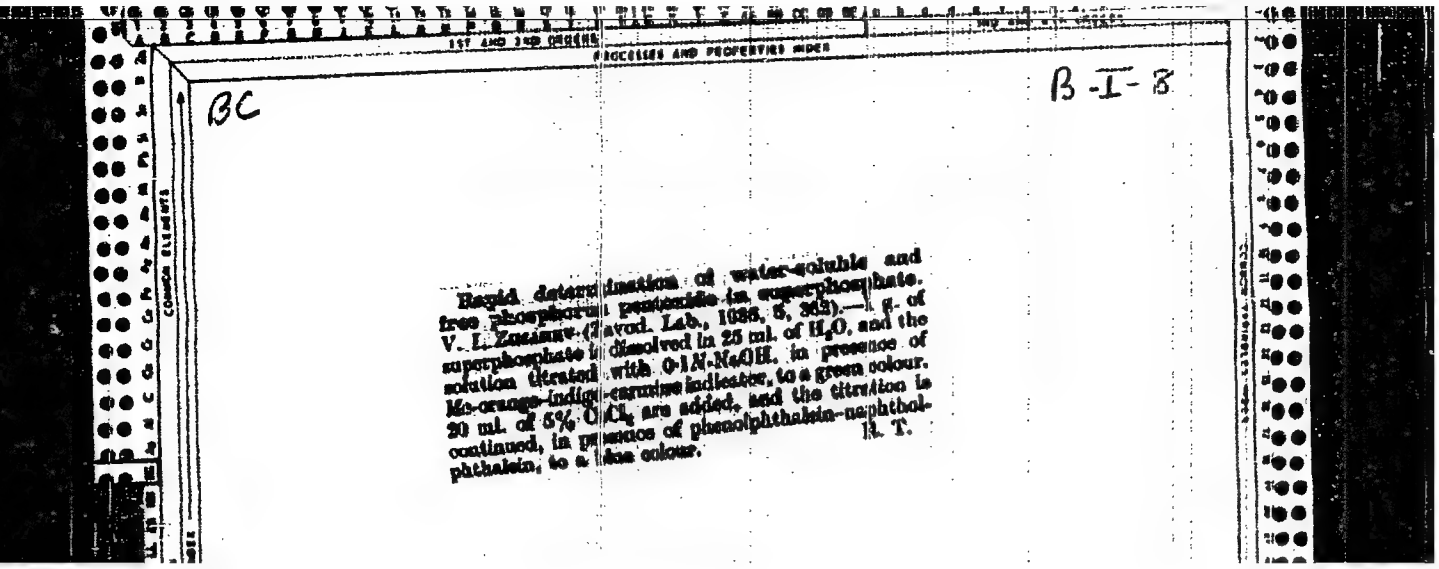


CA

Determination of water in condensed milk. V. Zima-tov. *Molochno-Maslodel'naya Prom.* 6, No. 2, 11(1939); *Chimie & industrie* 42, 710-20.—Water can be detd. in condensed milk by Teichert's method, refractometrically or by the xylene method, provided the result is corrected for lactose. The correction for each % of lactose in the condensed milk is 0.03% for Teichert's method and the xylene method and 0.075% for the refractometric method.
A. Papineau-Couture



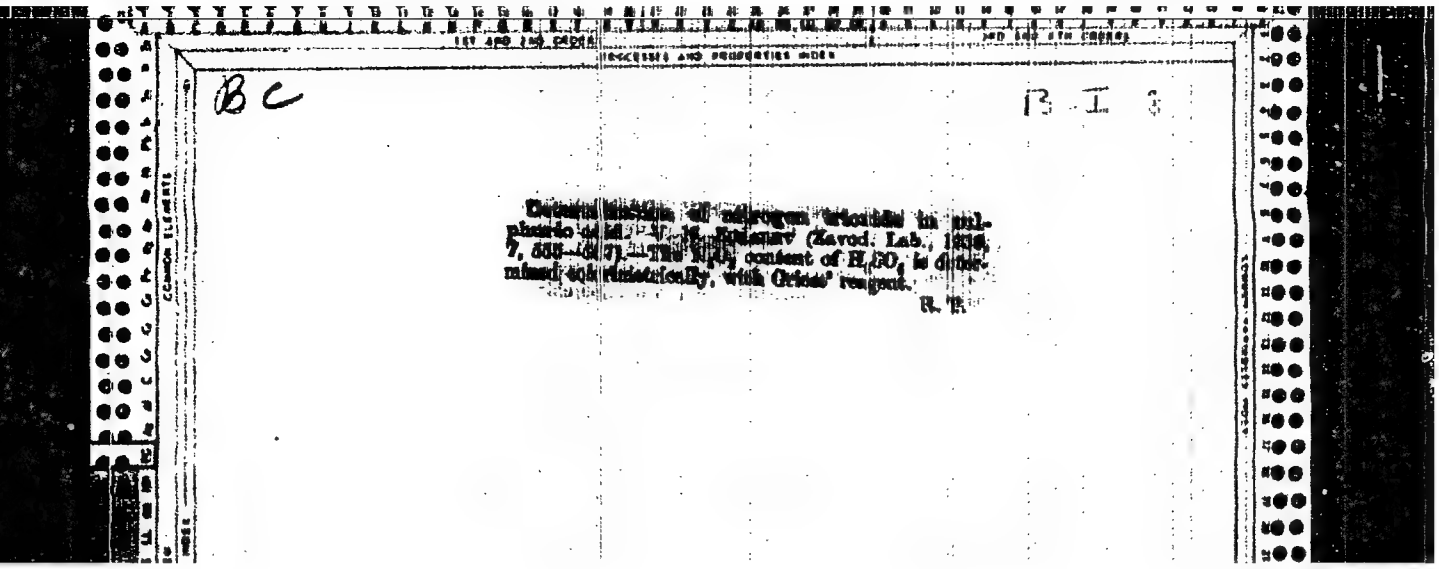
Rapid determination of water soluble and free phosphorus pentoxide in superphosphate. V. I. Zimarev. *Zavodskaya Lab.* 5, 762(1936).—Dissolve 1 g. of superphosphate in 25 ml. of H_2O and titrate the soln. with 0.1 *N* NaOH, in presence of methyl orange-indigo carmine indicator to a green color. Add 20 ml. of 5% $CaCl_2$ and continue the titration in presence of phenolphthalein-naphtholphthalein to a blue color. B. C. A.



BC

B-I-8

Rapid determination of water-soluble and free phosphoric pentoxide in superphosphate. V. L. Zaslavskii (Zavod. Lab., 1936, 5, 363).—1 g. of superphosphate is dissolved in 25 ml. of H_2O, and the solution titrated with 0·1*N*-NaOH, in presence of Ms-orange-indigo-carmine indicator, to a green colour. 20 ml. of 5% $CaCl_2$ are added, and the titration is continued, in presence of phenolphthalein-naphtholphthalein, to a blue colour. R. T.



BC

B-I-S

Determination of nitrogen trioxide in sulphuric acid. V. M. Rjabinin (Zavod. Lab., 1938, 7, 555—557). The H_2O_2 content of H_2SO_4 is determined quantitatively, with Griess' reagent.

R. T.

ZIMAREV, Ye., inzh.; NIKOSHKOV, B., inzh.

Improving the navigability of the Tigris River. Rech. transp. 21 no.6:54-55 Je '62. (MIRA 15:7)
(Tigris River--Regulation)

ZEMLYANOVSKIY, Dmitriy Konstantinovich; PANOV, S.N., retsenzent; GRIGOR'YEV, S.N., retsenzent; ZIMAREV, Ye.V., red.; MAKRUSHINA, A.N., red.izd-va; BOBROVA, V.A., tekhn.red.

[General navigation manual for inland waterways] Obshchaia lotsiia vnutrennikh vodnykh putei. Moskva, Izd-vo "Rechnoi transport," 1959. 226 p. (MIRA 13:3)
(Inland navigation)

ZIMAREV, Ye. V.

ANDON'YEV, V.L.; BAUM, V.A.; BAUMGARTEN, N.K.; BEREZIN, V.D.; BIRYUKOV, I.K.; BIRYUKOV, S.M.; BLOKHIN, S.I.; BOROVOY, G.A.; BULEV, M.Z.; BURAKOV, N.A.; VERTSAYZER, B.A.; VOVK, G.M.; VORMAN, B.A.; VOSKOBOININ, A.F.; GALAKTIONOV, V.D., kand. tekhn. nauk; GENKIN, Ye.M.; GIL'DENBLAT, Ya.D., kand. tekhn. nauk; GINZBURG, M.M.; GLEBOV, P.S.; GODES, E.O.; GORBACHEV, V.N.; GRZHIB, B.V.; GUSKULOV, L.F., kand. s.-kh. nauk; GRODZENSKAYA, I.Ya.; DANILOV, A.G.; DMITRIYEV, I.G.; DMITRIYENKO, Yu.D.; DOBROKHOTOV, D.D.; DUBININ, L.G.; DUNDUKOV, M.D.; ZHOLIK, A.P.; ZENKEVICH, D.K.; ZIMAREV, Ye.V.; ZIMASKOV, S.V.; ZUBRIK, K.M.; KARANOV, I.F.; KNYAZEV, S.N.; KOLESNIKOV, N.M.; KOMARNVSKIY, V.T.; KOSENKO, V.P.; KORENISTOV, D.V.; KOSTROV, I.N.; KOTLYARSKIY, D.M.; KRIVSKIY, M.N.; KUZNETSOV, A.Ya.; LAGAR'KOV, N.I.; LGALOV, V.G.; LIKHACHEV, V.P.; LOGUNOV, P.I.; MATSKEVICH, K.F.; MEL'NICHENKO, K.I.; MENDELEVICH, I.R.; MIKHAYLOV, A.V., kand. tekhn. nauk; MUSIYEVA, R.N.; NATANSON, A.V.; NIKITIN, N.V.; OVES, I.S.; OGUL'NIK, G.R.; OSIPOV, A.D.; OSMER, N.A.; PETROV, V.I.; PERYSHKIN, G.A., prof.; PIYANKOVA, Ye.V.; RAPOPORT, Ye.D.; NEMEZOV, N.P.;

AKDON'YEV, V.L.... (continued) Card 2.
Ye.A., retsenzent, red.; AKHUTIN, A.N., retsenzent, red.; BALASHOV, Yu.S., retsenzent, red.; BARABANOV, V.A., retsenzent, red.; BATUNER, P.D., retsenzent, red.; BORODIN, P.V., kand. tekhn. nauk, retsenzent, red.; VALUTSKIY, I.I., kand. tekhn. nauk, retsenzent, red.; GRIGOR'YEV, V.M., kand. tekhn. nauk, retsenzent, red.; GUBIN, M.F., retsenzent, red.; GUDAYEV, I.N., retsenzent, red.; YERMOLOV, A.I., kand. tekhn. nauk, retsenzent, red.; KARAULOV, B.F., retsenzent, red.; KRITSKIY, S.N., doktor tekhn. nauk, retsenzent, red.; LIKIN, V.V., retsenzent, red.; LUKIN, V.V., retsenzent, red.; LUSKIN, Z.D., retsenzent, red.; MATRIKOSOV, A.Kh., retsenzent, red.; MENDELEYEV, D.M., retsenzent, red.; MEYKEL', M.F., doktor tekhn. nauk, retsenzent, red.; OBREZKOV, S.S., retsenzent, red.; PETRASHEN', P.N., retsenzent, red.; POLYAKOV, L.M., retsenzent, red.; RUMYANTSEV, A.M., retsenzent, red.; RYABCHIKOV, Ye.I., retsenzent, red.; STASHENKOV, N.G., retsenzent, red.; TAKANAYEV, P.F., retsenzent, red.; TARANOVSKIY, S.V.,

ANDON'YEV, V.L.... (continued) Card 3.
Ye.F., red.; TSYPLAKOV, V.D. [deceased], red.; KORABLINOV, P.N., tekhn. red.; GENKIN, Ya.M., tekhn. red.; KACHEROVSKIY, N.V., tekhn. red.

[Volga-Don; technical account of the construction of the V.I. Lenin Volga-Don Navigation Canal, the TSimlyansk Hydroelectric Center, and irrigation systems] Volgo-Don; tekhnicheskii otchet o stroitel'stve Volgo-Donskogo sudokhodnogo kanala imeni V.I. Lenina, TSimlianskogo gidrouzla i orositel'nykh sooruzhenii, 1949-1952; v piati tomakh. Moskva, Gos. energ. izd-vo. Vol.1. [General structural descriptions] Obshchee opisanie sooruzhenii. Glav. red. S.IA. Zhuk. Red. toma M.M. Grishin. 1957. 319 p. Vol.2. [Organization of construction. Specialized operations in hydraulic engineering] Organizatsiia stroitel'stva. Spetsial'nye gidrotekhnicheskie raboty.
(Continued on next card)

AKDON'YEV, V.L.... (continued) Card 4.
Glav. red. S.IA. Zhuk. Red. toma I.N. Kostrov. 1958. 319 p.
(MIRA 11:9)
1. Russia (1923- U.S.S.R.) Ministerstvo elektrostantsii. Byuro tekhnicheskogo otcheta o stroitel'stve Volgo-Dona. 2. Chlen-korrespondent Akademii nauk SSSR (for Akhutin). 3. Deystvitel'nyy chlen Akademii stroitel'stva i arkhitektury SSSR (for Grishin, Razin).
(Volga Don Canal--Hydraulic engineering)

ZIMARIN, V.

Mine of communist labor. Mast.ugl. 9 no.11:15-17 N '60.
(MIRA 13:12)

(Kuznetsk Basin--Coal mines and mining)

STUDENTSOV, S.A.; ZIMAR'KOV, B.D.

Hydraulic transmission system of the TG102 diesel locomotive. Elek. i tepl. tiaga 5 no.5:31-35 My '61. (MIRA 14:7)

1. Rukovoditel' byuro gidroperedach Leningradskogo teplovozostroitel'nogo zavoda (for Studentsov). 2. Rukovoditel' byuro elektroupravleniya Leningradskogo teplovozostroitel'nogo zavoda (for Zimar'kov).
(Diesel locomotives)
(Oil hydraulic machinery)

ZIMASKOV, S. V.

ANDON'YEV, V.L.; BAUM, V.A.; BAUMGARTEN, N.K.; BEREZIN, V.D.; BIRYUKOV, I.K.; BIRYUKOV, S.M.; BLOKHIN, S.I.; BOROVOY, G.A.; BULEV, M.Z.; BURAKOV, N.A.; VERTSAYZER, B.A.; VOVK, G.M.; VORMAN, B.A.; VOSHCHININ, A.P.; GALAKTIONOV, V.D., kand. tekhn. nauk; GENKIN, Ye.M.; GIL'DENBLAT, Ya.D., kand. tekhn. nauk; GINZBURG, M.M.; GLEBOV, P.S.; GODES, E.G.; GORBACHEV, V.N.; GRZHIN, B.V.; GRUKULOV, L.F., kand. s.-kh. nauk; GRODZENSKAYA, I.Ya.; DANILOV, A.G.; DMITRIYEV, I.G.; DMITRIYENKO, Yu.D.; DOBROKHOTOV, D.N.; DUBININ, L.G.; DUNDUKOV, M.D.; ZHOLIK, A.P.; ZENKEVICH, D.K.; ZIMAREV, Ye.V.; ZIMASKOV, S.V.; ZUBRIK, K.M.; KARANOV, I.F.; KNYAZEV, S.N.; KOLEGAYEV, N.M.; KONARZEVSKIY, V.T.; KOSENKO, V.P.; KORENISTOV, D.V.; KOSTROV, I.N.; KOTLYARSKIY, D.M.; KRIVSKIY, M.N.; KUZNETSOV, A.Ya.; LAGAR'KOV, N.I.; LGALOV, V.G.; LIKHACHEV, V.P.; LOGUNOV, P.I.; MATSKEVICH, K.F.; MEL'NICHENKO, K.I.; MENDELEVICH, I.R.; MIKHAYLOV, A.V., kand. tekhn. nauk; MUSIYEVA, R.N.; NATANSON, A.V.; NIKITIN, M.V.; OVES, I.S.; OGUL'NIK, G.R.; OSIPOV, A.D.; OSMER, N.A.; PETROV, V.I.; PERYSHKIN,

ANDON'YEV, V.L.... (continued) Card 2.
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ANDON'YEV, V.L.... (continued) Card 3.
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(Continued on next card)

AKDON'YEV, V.L.... (continued) Card 4.
Glav. red. S.IA. Zhuk. Red. tom I.N. Kostrov. 1958. 319 p.
(MIRA 11:9)

1. Russia (1923- U.S.S.R.) Ministerstvo elektrostantsii. Byuro tekhnicheskogo otcheta o stroitel'stve Volgo-Dona. 2. Chlen-korrespondent Akademii nauk SSSR (for Akhutin). 3. Deystvitel'nyy chlen Akademii stroitel'stva i arkhitektury SSSR (for Grishin, Razin).
(Volga Don Canal--Hydraulic engineering)

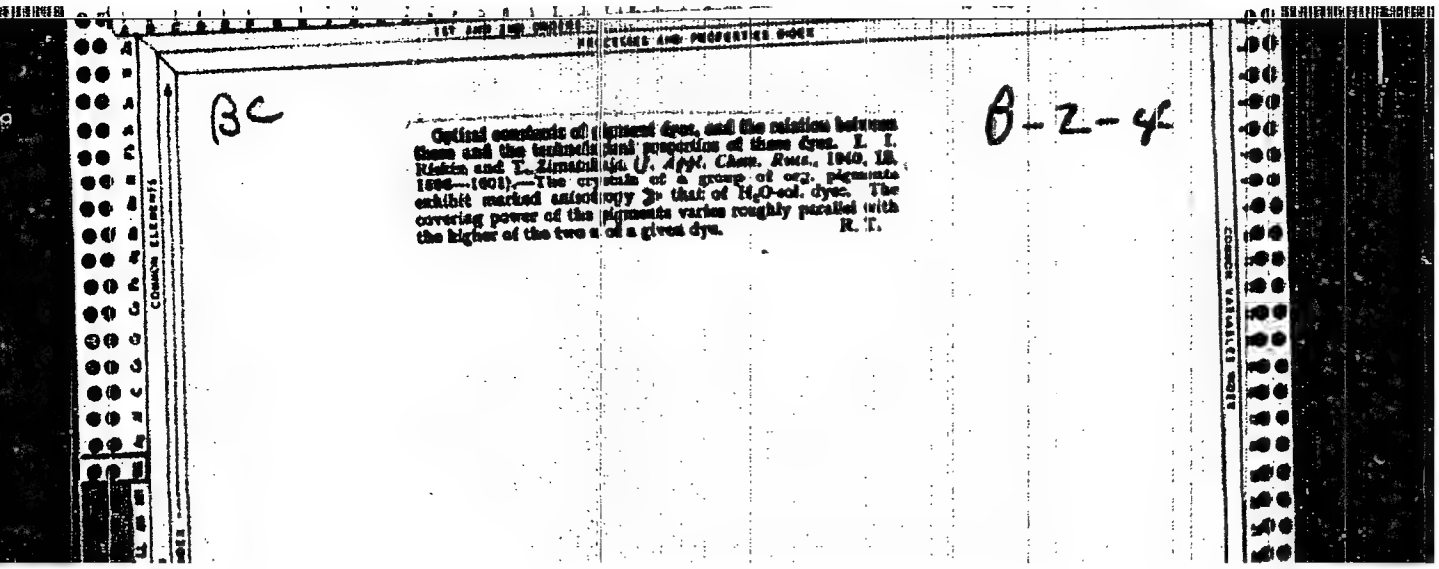
ZAYTSEV, I.F.; VDOVIN, D.I.; GNEDOV, N.P.; BLAGOV, I.S.; ZIKASKOV, V.A.; KOTKIN, A.M.; LEKHTSIYER, I.S.; MIROSHNIKOV, V.G.; OSYKIN, V.T.

Separator for dressing lump material. Gor. zhur no.4:76 Ap '63. (MIRA 16:4)

(Separators (Machines))

ZIMASKOVA, L.A.

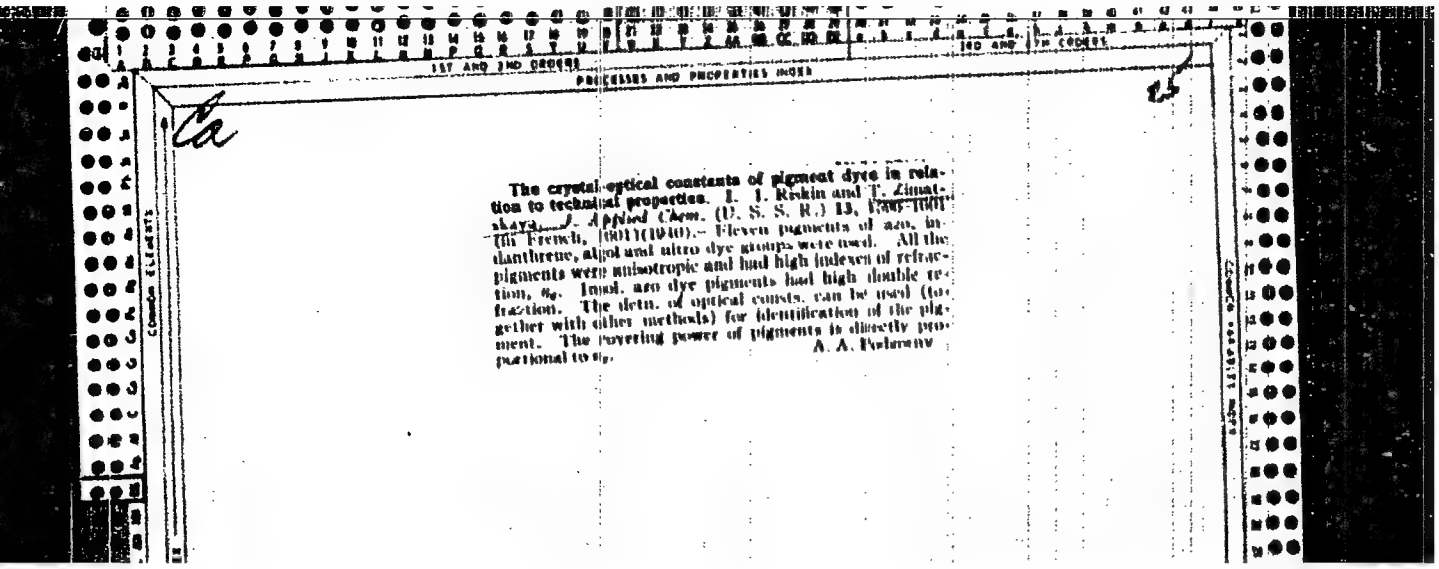
Results of testing perennial flowers in the southern Balkhash region. Trudy Inst.bot.AN Kazakh.SSR 17:60-71 '63. (MIRA 17:3)



BC

B-Z-4

Optical constants of pigment dyes, and the relation between them and the hydrophilic and properties of these dyes. I. I. Riskin and T. Zimatkina. *J. Appl. Chem. Russ.*, 1940, 13, 1596—1601).—The crystals of a group of org. pigments exhibit marked anisotropy β that of H_2O-sol. dyes. The covering power of the pigments varies roughly parallel with the higher of the two n. of a given dye. R. T.



1ST AND 2ND CODES

PROCESSES AND PROPERTIES INDEX

3RD AND 4TH CODES

Ca

15

The crystal-optical constants of pigment dyes in relation to technical properties. I. I. Riskin and T. Zimatshaya. *J. Applied Chem.* (U. S. S. R.) 13, [305-10] (in French, [901](1940).— Eleven pigments of azo, indanthrene, algol and nitro dye groups were used. All the pigments were anisotropic and had high indexes of refraction, n_g. Insol. azo dye pigments had high double refraction. The detn. of optical consts. can be used (together with other methods) for identification of the pigment. The covering power of pigments is directly proportional to n_g.

A. A. Petrunov

Comm. Materials

ZIMATSKIY, Ye.S.

Replacing nut joints with sleeve joints on tapered thread. Rats. i izobr. predl. v stroi. no.5:70-71 '58. (MIRA 11:6)

1.Master spetsuchastka, Minsk, BSSR.
(Pipe joints)

ZIMBA, V.V.

Some trinomial equations. Trudy LVMI 1:112-116 '62
(MIRA 17:7)

ZIMBALEVSKAYA, L. N.

Invertebrate communities in the undergrowth of higher aquatic plants of the middle course of the Dnieper River. Gidrobiol. zhur. 1 no.3:38-48 '65. (MIRA 18:6)

1. Institut gidrobiologii AN UkrSSR, Kiyev.

ZIMBALEVSKAYA, L.N.

Dynamics of the abundance of phytophilous larvae of Chironomidae of the middle course of the Dnieper River and their distribution according to the types of growths. Vop. ekol. 5:77-79 '62. (MIRA 16:6)

1. Institut gidrobiologii AN UkrSSR, Kiyev.
(Dnieper River--Chironomidae)

ZIMBALEVSKAYA, L.N. [Zimbaleva'ka, L.M.]

Algal fauna of the lower Dnieper River after the building of Kakhovka Reservoir. Pratsi Inst. hidrobiol. AN URSR no.39: 66-80 '63. (MIRA 17:12)

ZIMBALEVSKIY, M.; KUBERSKIY, L.

Contribution of innovators to a school. Prof.-tekh. obr. 19 no.7:19 Jl '62. (MIRA 15:12)

1. Direktor Garbuzinskogo uchilishcha mekhanizatsii sel'skogo khozyaystva, Cherkasskaya oblast' (for Zimbalevskiy).
2. Zamestitel' direktora po uchebno-proizvodstvennoy rabote Garbuzinskogo uchilishcha mekhanizatsii sel'skogo khozyaystva (for Kuberskiy).

(Farm mechanization--Study and teaching)

ZIMBAUER, KARL

YUGOSLAVIA / Chemical Technology. Chemical Products and Their Application. Dyeing and Chemical Treatment of Textiles. H-34

Abs Jour : Ref Zhur - Khim., No 3, 1958, No 10,076

Author : ~~Zimbauer, Karl~~

Inst : Not given

Orig Pub : Tekstil. ind., 1955, 3, No 12, 14-16

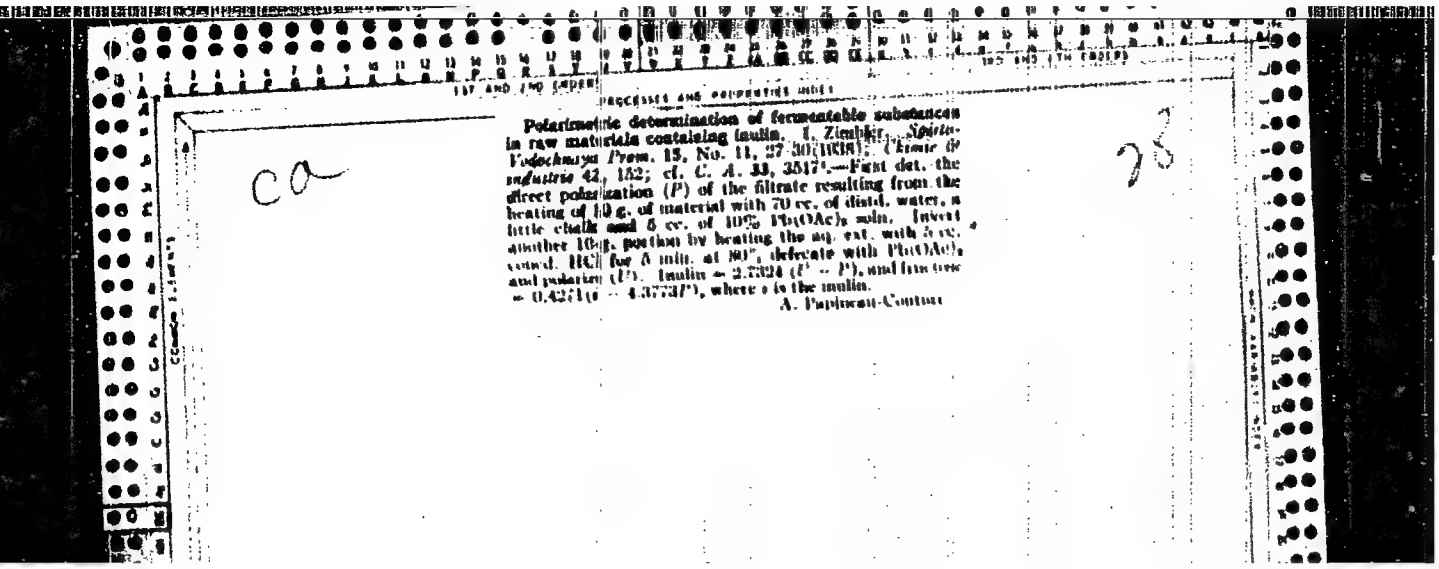
Title : The Possibilities in Using Dyes Which Require Subsequent Treatment with Copper Salts.

Abstract : A review of the development and uses of cuprophenylic dyes (made by Geigy, Switzerland) which require treatment

ZIMBIKHILE, David B.S.

Abroad. Avt. transp. 41 no.9:60-62 S '63. (MIRA 16:10)

1. Sekretar'-kaznachey professional'nogo soyuza transportnykh i nekvalifitsirovannykh rabochikh Tangan'iki.



PROCESSES AND EQUIPMENTS INDEX

Polarimetric determination of fermentable substances in raw materials containing inulin. I. Ziegler. *Spirto-Vodochnaya Prom.* 15, No. 11, 27-30(1938). (*Chimie & Industrie* 42, 152; cf. C. A. 33, 3517⁹.—Fast det. the direct polarization (*P*) of the filtrate resulting from the heating of 10 g. of material with 70 cc. of distd. water, a little chalk and 5 cc. of 10% $Pb(OAc)_2$ soln. Invert another 10-g. portion by heating the aq. ext. with 5 cc. concd. HCl for 5 min. at 80°, defecate with $Pb(OAc)_2$ and polarize (*P'*). Inulin = 2.7324 (*P'* − *P*), and fructose = 0.4251(*P* − 4.3773*P'*), where *c* is the inulin.

A. Papineau-Couture

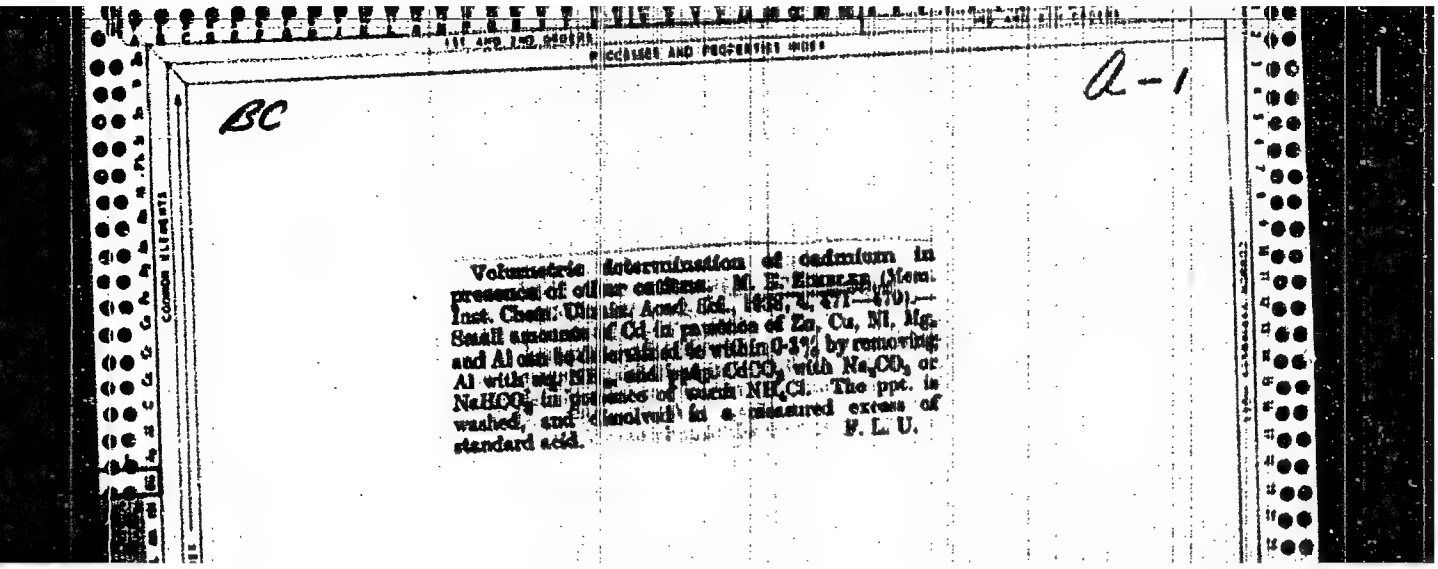
1ST AND 2ND ORDERS

PROCESSES AND PROPERTIES INDEX

Ca

14

Rapid quantification of fermentable matter in materials containing inulin. I. Zimbiker. *Sirile: Tehnika, Prum.* 15, No. 2, 23-4(1958); *Chimie & industrie* 81, 149.—The method is based on the detn. of fermentable carbohydrates by hot inversion with H_2SO_4 and titration of total fructose by means of Luff's soln. (25 g. $CuSO_4 \cdot 5H_2O$, 50 g. citric acid and 143.8 g. Na_2CO_3 per 1 l.), KI and $Na_2S_2O_3$. A. Papineau-Couture



BC

A-1

Volumetric determination of cadmium in presence of other cations. M. E. Ziman (Mem. Inst. Chem. Univ. Acad. Sci., 1958, 3, 471—476).—Small amounts of Cd in presence of Zn, Cu, Ni, Mg, and Al can be determined to within 0·3% by removing Al with aq. NH_4Cl and ppt. $CdCO_3$ with Na_2CO_3 or $NaHCO_3$ in presence of excess NH_4Cl. The ppt. is washed, and dissolved in a measured excess of standard acid.

F. L. U.

ZIMBULI, Ye.A. (Leningrad)

Mechanization of bookkeeping in train sheds. Zhel.dor.transp. 39 no.4:72-74 Ap '57. (MLRA 10:5)

1.Glavnyy bukhgalter depo Leningrad-Passazhirskiy Moskovskiy.
(Railroads--Accounts, bookkeeping, etc.)

ZIMKL, H.; NICOLESCU CATARGI, Al.; VIANU, I.

The influence of the hypothalamic lesions on the reactivity to cytostatics in the experimental cancer. Neoplasma 10 no.5: 461-467 '63.

1. Institute of Endocrinology "C.I.Parhon" of the R.P.R. Academy , Bucarest, Roumania.

ZIMEL,H.; RIVENZON,A.; DOBRESCU,A.

On the problem of the innervation of tumors. Report III. Comparative investigation on cholinergic metabolism in experimental tumors. Neoplasma, Bratisl. 7 no.1:11-17 '60.

1. Institut endokrinologii imeni K.I. Parkhoma Akademii RNR., Bukharest, Rumyniya.
(NEOPLASMS metab.)
(ACETILCHOLINE metab.)
(CHOLINESTERASE metab.)

STERESCU, N.; VOICULET, N.; ZIMEL, H.

Studies on the acting mechanics of the thyreotropic hormone. Note 3: Influence of chloropromazine on the biosynthesis of thyroidal hormones under the influence of the thyreotrope stimulus. Studii cerc.fiziol. 4 no.3:313-320 '59. (REAI 9:5)
(HORMONES) (THYROID GLAND) (CHLORODIMETHYLAMINOPROPYLPHENOTHIAZINE)

ZIMEL, H.; MACRINEANU, Ana

Cryptorchism as an aggravating factor in the genesis of experimental testicular tumors. IV. Intratesticular development of Walker 256 adenocarcinoma in rats after replacement of the ectopic testis in the scrotum. Stud. cercet. endocr. 13 no.1:72-79 '62.

(TESTIS neoplasms) (ADENOCARCINOMA experimental)
(CRYPTORCHISM complications)

ZIMEL,H.; PETREA, I.; MACRINEANU, A.; HILLEBRAND, A.

The effects of the ribonucleuracil and novoembihin on the experimental tumours and on the endocrine system in the hypophysectomized rats. Neoplasma 10 no.5:469-481 '63.

1. Institute of Endocrinology "C.I.Parhon"of the R.P.R. Academy, Bucarest, Roumania.

ZIMEL, H.; CATARGI, NICOLESCU, Al.; RIVENSON, A.

The influence of hypothalamic lesions on experimental tumorigenesis. I. Intratesticular development of Walker's 256 adenocarcinoma in rats with hypothalamic lesions. Rumanian M Rev. no.3:49-50 Jl-S '60.
(HYPOTHALAMUS physiology) (ADENOCARCINOMA experimental)
(NEOPLASMS experimental)

LU SI SIN; ZIMEL, H.

Biochemical and morphological changes in the intestines of rabbits treated with cortisone. Stud. cercet. endocr. 13 no.4:529-539 '62.
(INTESTINES) (CORTISONE)

ZIMKL, H.; MACRINEANU, Ana

The influence of adrenalectomy and treatment with corticoid hormones on the effectiveness of chemotherapy in experimental cancer. Studii cercet. endocr. 16 no.2:137-141 '65.

ZIMEL, H.; MACRINEANU, Ana

Experimental data concerning the chemotherapy of cancer with the aid of combined hormones and cytostatics. Rumanian med. rev. 19 no.2:73-78 Ap-Je '65.

ZIMEL, H.; NICOLESCU-CATARGI, Al.; MACRINEANU, Ana

Influence of the hypothalamus and of hormone treatment on testicular lesions produced by treatment with cytostatic drugs. Stud. cercet. endocr. 15 no.3:223-226 '64.

ZIMEL, H.; MACRINEANU, Ana; HILLEBRAND, A.

Cryptorchidism as an aggravating factor in experimental testicular tumorigenesis. Note to VII-a: Development of tumor homotransplants in the testicles of cryptorchid, hypophysectomized rats treated with gonadotropic hormone. Stud. cercet. endocr. 15 no.2:123-126 '64.

ZIMEL, H.; MACRINEANU, Ana

The role of cryptorchism in tumorigenesis of the testicle.
Rev. sci. med. 8 no.3/4:197-200 '63.

(CRYPTORCHISM) (TESTICULAR NEOPLASMS)
(HYPOPHYSECTOMY) (NEOPLASMS, EXPERIMENTAL)
(CARCINOMA 256, WALKER)

ZIMEL, H.; MACRINEANU, Ana

Research on the antiblastic action of a nitrogen mustard of the urethane type bound to hydrocortisone. Stud. cercet. endocr. 15 no.5:413-418 '64.

ZIMEL', Kh.[Zimel, H.]

Research on chemotherapy of experimental cancer, using combinations of hormones and cytostatic drugs. Rev. sci. med. 8 no.3/4:193-196 '63.

(ANTINEOPLASTIC AGENTS) (BAYER E 39)
(ETHYLENEDIAMINES) (MANNOMUSTINE)
(ANDROGENS) (ESTROGENS) (CARCINOMA 256, WALKER)
(NEOPLASMS, EXPERIMENTAL)

ZIMEL, H.; MACRINEANU, Ana; HILLEBRAND, A.

Cryptorchism as an aggravating factor in experimental testicular tumorigenesis. VI. Effects of hypophysectomy on the intratesticular development of Walker 256 adenocarcinoma in rats with experimental cryptorchism. Stud. cercet. endocr. 13 no.4:557-561 '62.
(CRYPTORCHISM) (TESTICULAR NEOPLASMS) (ADENOCARCINOMA)
(HYPOPHYSECTOMY)

ZIMEL, H.; MACRINEANU, Ana

The effects of castration and concomitant treatment with degranol and estrogens on experimental tumors. Stud. cercet. endocr. 13 no.5:696-698 '62.

(MAMMARY NEOPLASMS, EXPERIMENTAL) (ADENOCARCINOMA) (CASTRATION) (ESTROGENS) (MANNOMUSTINE)

RUMANIA

MILCU, St. M., Acad; ZIMEL, H.

Prof C. I. Parhon Institute of Endocrinology of the Academy of the RPR, Bucharest (Institutul de endocrinologie "Prof C. I. Parhon" al Academiei RPR, Bucuresti) - (for all)

Bucharest, Viata Medicala, No 17, 1963, pp 1155-1160

"The Synthesis of Certain Hormonocytostatic Preparations and Their Use in the Chemotherapy of Cancer"

ZIMEL, H.; MACRINEANU, Ana

Action of hormonocytostatic preparations on liver regeneration in rats with partial hepatectomy. Stud. cercet. endocr. 15 no.6: 587-589 '64.

The antiblastic action of hormonocytostatic preparations in animals with damaged liver, bearing homotransplanted tumors. Ibid.: 591-593.

ZIMEL, H.; MACRINEANU, A.

Increased antiblastic activity of some hormone-cytostatic compounds by previous administration of nonalkylating model substances. Neoplasma (Bratisl) 12 no.3.297-302 '65

1. Institute of Endocrinology, "C.I.Parhon", Bucarest, Roumania.

ZIMELANSKI, Swiatoslaw

Secretion of glycoproteins with intestinal juice under the influence of diets with various protein contents. Acta physiol. polon. 13 no.3: 351-358 '62.

1. Z Zakladu Higieny Zywienia PZH w Warszawie Kierownik: prof. dr A. Szczygiel Z Zakladu Patologii Ogolnej i Doswiadczalnej AM w Warszawie Kierownik: prof. dr J. Walawski.
(PROTEINS nutrition & diets) (GLYCOPROTEINS metab)
(INTESTINES physiol)

ZIMELEV, A.G.; KUZ'MIN, R.N.

Making Zr-D targets on a copper base layer. Prib. i tekh. eksp. no.3:139-141 My-Je '60. (MIRA 14:10)
(Metal foils) (Zirconium)

ZIMELEV, A.G.

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E032/E514

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AUTHORS: Zimelev, A. G. and Kuz'min, R. N.

TITLE: Preparation of Zr-D Targets on a Copper Base

PERIODICAL: Pribory i tekhnika eksperimenta, 1960, No 3, pp 139-141

ABSTRACT: The zirconium targets were prepared using the arrangement of ribbons shown in Fig 1. The innermost ribbon in this figure is in the form of a copper ring, the next is a zirconium foil tightly pressed against the copper and the outer ribbon is made of tantalum. The zirconium ribbon [illegible] to 100 μ thick. Owing to the difference in the [illegible] zirconium and tantalum,

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E032/E514

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deuterium per zirconium atom in about 20 min. There are 2 figures, 1 table and 6 references, 2 of which are Soviet and 4 English.

SUBMITTED: April 18, 1959

ZIMELEV, A. G.

ZIMELEV, A. G.: "Investigation of the operation of a cold cathod with igniting equipment in high-voltage impulse discharge at low pressures." Moscow Order of Lenin and Order of Labor Red Banner State U imeni M. V. Lomonosov. Physics Faculty. Moscow, 1956. (Dissertations for the Degree of Candidate in Physicomathematical Sciences.)

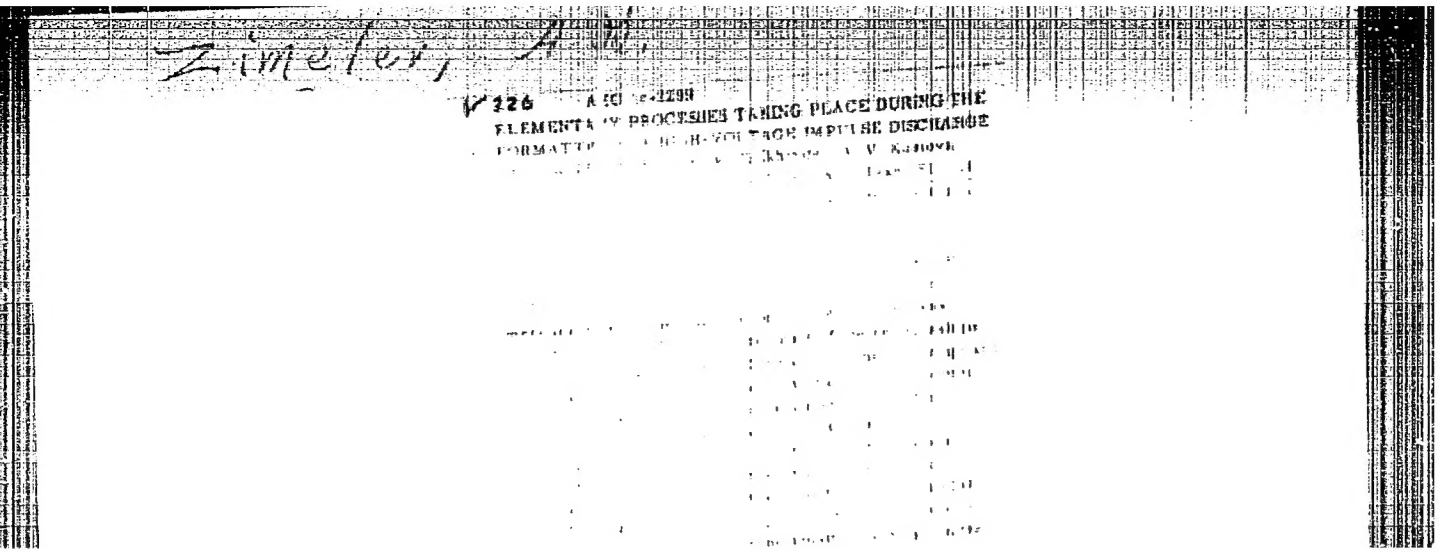
So: Knizhnaya letopis', No. 37, 1956. Moscow.

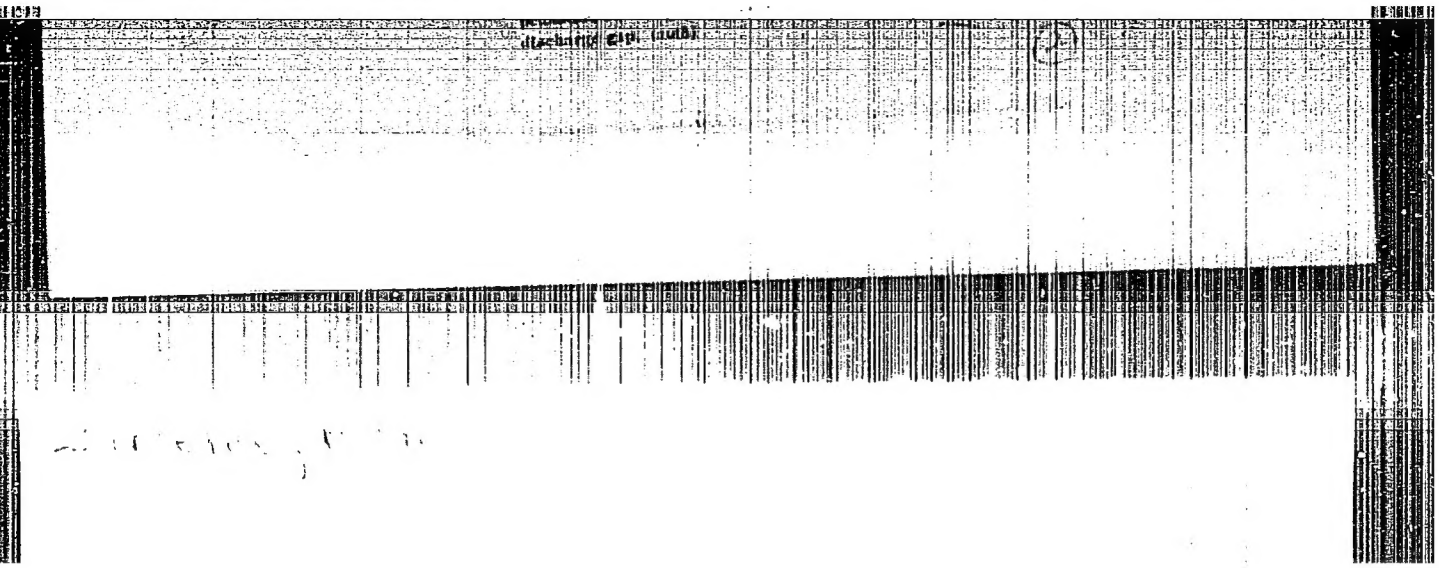
REYKHRUDEL', E.M.; ZIMELEV, A.G.; KUSTOVA, A.V.

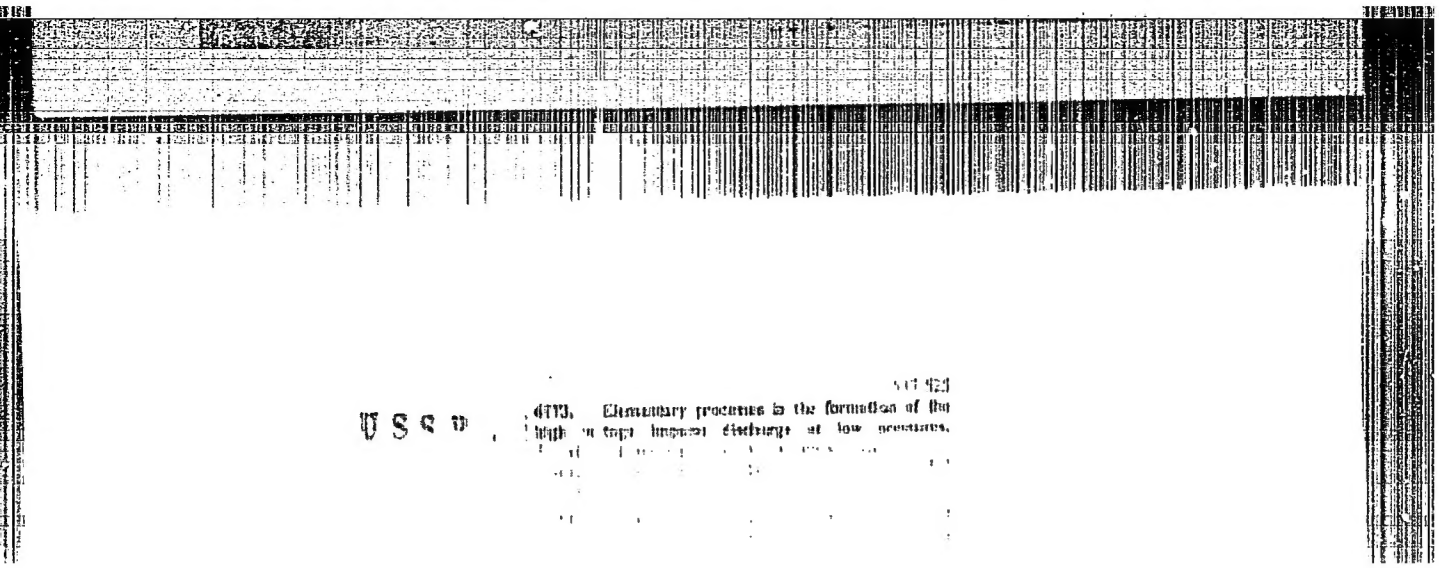
Properties of cold cathodes with pulsed-discharge trigger devices operated at low pressures. Izv.AN SSSR.Ser.fiz. 20 no.10:1153-1161 O '56. (MLRA 10:1)

1. Fizicheskiy fakul'tet Moskovskogo gosudarstvennogo universiteta imeni M.V.Lomonosova.

(Electron tubes)







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4773. Elementary processes in the formation of the high [illegible] at low pressures.